

Calendar

Wed., November 22

11:00 a.m. Fermilab ILC R&D Meeting - 1 West
Speaker: R. Kephart and S. Mishra, Fermilab
Title: Events and Highlights from the Valencia GDE Meeting

THERE WILL BE NO FERMILAB COLLOQUIUM THIS WEEK

THERE WILL BE NO DIRECTOR'S COFFEE BREAK TODAY

Thurs., November 23

Happy Thanksgiving

[Click here](#) for NALCAL, a weekly calendar with links to additional information.

Weather



Mostly Sunny 51°/31°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Wednesday, November 22

- Italian Wedding with Meatballs
- Diner Style Patty Melt
- Thanksgiving Lunch
- Greek Chicken Panini with Feta Cheese
- Chicken Oriental Wrap
- Pineapple
- Assorted Slice Pizza
- Chicken with Pesto Cream

[Wilson Hall Cafe Menu](#)

Chez Leon

Feature Story

Gatfield's mammoth ship docks at employee art show



Posing for a Fermilab Today picture, William Gatfield stood by his newest creation. A couple, meandering through Fermilab's employee art show, caught sight of it and flocked over. "It's incredible," the woman said, "I wonder who made this?" The photographer waited for the admirers to clear the shot. Gatfield just quietly smiled. "I bet this guy made it," the man said, "That's probably why she's taking his picture." After congratulations, Gatfield was assaulted with a barrage of questions: How long did it take? How much does it weigh? Is it to scale?

Gatfield, a welder from the Technical Division, has created a buzz with his newly completed metal sculpture, "The Great Eastern." His model of the colossal historic ship, for the record, took 10 years--working on and off--to finish, weighs 300 lbs. and is to scale, more or less.

Gatfield, a welder for 33 years, wanted to create a model of the ship after reading a book about it. "It fascinated me. The building of it was such a major undertaking," said Gatfield. "I wanted one. Not being able to afford anything close--I decided to build one." Gatfield built his ship in his garage. To challenge himself, he decided to use small strips of steel, a quarter inch wide, for the hull. "They provide a better shape," he said.

The Great Eastern was the largest ship ever built at the time of its 1858 launch. No ship built for 50 years would come close in size. Several inventions developed for the Great

From Business Services

A time for change



This week's column is written by Dave Carlson, head of the Business Services Section.

"It is not necessary to change. Survival is not mandatory." These words written by W. Edwards Deming--the person who is credited for bringing the quality revolution to America--have extra meaning to Fermilab these days.

Here at Fermilab we have seen so many things change over the years: the site and its buildings, the accelerators, the size and complexity of the experimental apparatus and the collaborations that conceive, build and operate them, and even the way we do business.

In the early to middle 1990s, Fermilab management began a strategic investment to replace its old (often home-built) business systems with modern and more capable products. We did that to survive, since some of those old tools were fearfully close to their last breath, and there was no life support system that could save them. We also had to adapt to a changing world that required more complicated business and project management information. This renewal process went forward, one step at a time, for about a decade. We're still here, using bigger and better machines and facilities.

Earlier this year, Fermilab made some organizational changes to improve current operations and prepare for its future. Now, Fermilab is undergoing another change, that of its parent company. On November 1, 2006, when DOE announced the award of the Fermilab management and operating contract to Fermi Research Alliance, LLC, a team of

Wednesday, November 22 Lunch

Cheese Fondue
Mixed Green Salad
Grapefruit Slices w/Candied
Rind

Thursday, November 23 Dinner

Closed

[Chez Leon Menu](#)

Call x4598 to make your
reservation.

Archives

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[ILC NewsLine](#)

Info

Fermilab Today is online at:
www.fnal.gov/today/

Send comments and
suggestions to:
today@fnal.gov

Eastern are now standard on ships. It was the first ship to have a double hull, a safety precaution--now required--which was not built into another ship for 100 years. The steering gear invented for the Great Eastern is now used on all ships.

The ship is named one of the seven wonders of the industrial world by Deborah Cadbury in her book of the same name, along with the Brooklyn Bridge, the Transcontinental Railway and the London's sewer system. It could cross the Atlantic twice without refueling. Running on steam power and wind power, the ship could reach 13 knots--fast for its time. The Great Eastern had five steam funnels and enough canvas in its sails to be a clipper ship. It laid the 1865 transatlantic telegraph cable between Ireland and Newfoundland and the 1869 cable between France and Cape Cod, Massachusetts. It was sold for scrap in 1889 and took nearly two years to take apart.

Jules Verne loved the Great Eastern and described his 1867 voyage in *A Floating City*. Reportedly, while on board, he developed his ideas for *20,000 Leagues Under the Sea*. The ship undeniably breeds enthusiasm: "I wish I could go back," said Gatfield, "to a previous life and be on this ship."

--D. A. Venton

Milestones

Peak luminosity record

Yesterday afternoon at 2:24 p.m., the Tevatron collider achieved a record peak luminosity when store 5086 began to produce collisions. The collision rate had a peak value of $2.3\text{E}32\text{ cm}^{-2}\text{ sec}^{-1}$. It was the seventh time that the Tevatron peak luminosity exceeded $2.0\text{E}32$. Congratulations.

Readers Write

Kudos to "Result of the Week"

Dear FT:

I am a petroleum engineer currently working on a project near the Gulf of Mexico. Recently, I've been reading all the "layman" material about particle physics (experimental and theoretical) that I can get my hands on and digest.

I thoroughly enjoy the "Result of the Week" articles and hope you can continue in the same format. I assure you that outsiders read this information, and your newsletter contains useful descriptions of particle physics for the public.

people that had worked long and hard to propose a way of pulling off a smooth transition kicked off its plan. Those people and many more are now working on the dozens of milestones to be completed by December 31, 2006, and they pretty much still have their regular jobs to do.

What will happen on January 1, 2007? Things will keep running smoothly and evolve into something even better. One thing is sure: we will continue to change as we move toward bigger and better things for Fermilab in the future.

Photo of the Day



Albino goose? PPD's Bill Pritchard sent this picture, which he took in front of the children's day care center on site. "Could this be an 'albino' Canada goose?" he asks.

We got the scoop from AD employee and bird enthusiast Peter Kasper. He identified the bird as an immature snow goose, and said that it has been hanging around Dusaf Pond and the Village lawns for several weeks.

"Seeing snow geese on site at this time of year is not at all unusual," wrote Kasper. "It's just that this bird has chosen to hang out in a location where he is more obvious. This is a result of the 2005 drought, which caused a lot of plant growth in Dusaf Pond and A.E.Sea. The decaying vegetable matter provides an attractive food source for migrant waterfowl, so we are seeing a lot more of them on these lakes than we usually see."

Announcements

Goodwill toward the taxpayer is a must for your field.

Thanks,

Michael C. Collins, PE
President
Chalmers, Collins & Alwell, Inc.

In the News

From *Government Computer News*, November 20, 2006:

Grid accelerates research

Tools help deliver CERN data to labs worldwide

Whatever its success in the marketplace, grid has been a great success in the research community. Fermi National Accelerator Laboratory, in Batavia, Ill., has been testing a grid network that will eventually distribute experimental data from the European laboratory for particle physics (CERN) in Geneva, Switzerland, to multiple research laboratories around the globe. Thanks to grid tools, data created at CERN can be distributed and then analyzed at other facilities around the world.

While electronically shepherding large amounts of information from one location to another is a difficult problem in itself, the task grows even more complex with multiple recipients, said Ian Fisk, Fermi associate scientist.

[Read More](#)

NALWO Holiday Tea

Please come to NALWO's Winter Holiday Tea on Friday, December 1, from 11 a.m. to 1:00 p.m. The tea will be hosted by Barbara Oddone at her home on Site #29, just inside the Wilson Street gate. (You may come in at Wilson Street entrance from Kirk Road and turn right at the driveway just beyond the gate.) Please bring a favorite dessert or appetizer from your country, but if you cannot bring a treat, please come anyway! For additional information contact Susan Kayser at sukayser@fnal.gov, Rose Moore, at 630/208-9309 or rosecraigmoore@comcast.net, or the Housing Office at 630/840-3777 or housing@fnal.gov.

Holiday Book Sale

Let us help you to get your holiday shopping done at the Fermilab Recreation Holiday Book Fair. Best-selling books, cookbooks, sport books, coffee table books, children's books and games, toys and gifts will be available. The book fair will be held in the Atrium Wednesday, November 29, from 10:00 a.m. to 6:00 p.m. and Thursday, November 30, from 7:00 a.m. to 3:00 p.m.

Blood Drive

Mark your calendars! Fermilab's blood drive will be held on December 11 on the Ground Floor NE Training Room of Wilson Hall, and on December 12 from 8 a.m. to 2 p.m. at ICB Ground Floor East (follow the signs). Appointments can be scheduled on the web or by calling Margie at x3411 or Diana x3771.

Exciting Explorations program

The Children's Center will be adding days to the Exciting Explorations daycare program as needed during the holiday break. Parents who are interested in using this program should contact Susan at x3762 or email daycare@fnal.gov with their requests for specific dates. We will offer sessions if there is enough interest. The cost is \$35.00 per day/per child and children should bring their own lunches.

[Upcoming Activities](#)